

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4011	(human-machine adj interface) or (human adj machine adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L2	623	L1 navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L3	230	L2 and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L4	416	700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L5	1728	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L6	0	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L7	777	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L8	777	715/854.ccls. or 715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L9	2852	715/854.ccls. or 715/514.ccls. or 700/83.ccls. or 700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L10	111	L9 and (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L11	5609	(HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L12	17	HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L13	122	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L14	18	(HMI adj editor) or (Human adj Machine adj Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L15	70	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor) or (man adj machine adj interface)) and (user adj screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L16	7	09/607369	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L17	14	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L18	14	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L19	11	L18 and zoom\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L20	88	((HMI) or (Human adj Machine adj Interface)) and hierarch\$7 and zoom \$5 and (render or supply or provide or furnish or yield or return or give, or deliver or depict or show or display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L21	419	(HMI or (Human adj Machine adj Interface)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L22	33	(HMI or (Human adj Machine adj Interface)).ti. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L23	67	(HMI or (Human adj Machine adj Interface)).ab. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L24	12	L23 and leaf and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L25	3	L23 and leaf and node zoom	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L26	439	(715/771).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L27	35	(715/771).ccls. and (715/763).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L28	22	(715/771).ccls. and (715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L29	5	(715/771).ccls. and (715/762).ccls. and hierarch\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L30	6	("5301301"   "5592600"   "6054986"   "6437805"   "6449624"   "6593947").pn.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:25
L31	561	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L32	561	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and (specification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L33	33	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/12 06:25
L34	17	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT	OR	ON	2008/05/12 06:25
L35	4	L34 and zoom	US-PGPUB; USPAT	OR	ON	2008/05/12 06:25
L36	27	providing screen navigation editor linked hierarch\$9 HMI screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L37	51	providing screen navigation editor hierarch \$9 (HMI or (Human adj Machine adj Interface)) screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L38	716	(715/762).cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L39	3	editor hierarch\$9 (root adj node) (specification or Specify) with (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L40	4	editor hierarch\$9 (root adj node) (specification or Specify) SAME (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L41	121	(715/771).ccls. and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L42	25	L41 and root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L43	15	L42 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L44	128	(715/771).ccls. and hierarch\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L45	30	(715/771).ccls. and hierarch\$9 root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L46	444	hierarch\$9 (root adj node) editor navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L47	436	L46 and interface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L48	139	L47 industrial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L49	6543	hierarch\$9 (root adj node)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L50	3768	L49 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L51	2820	L50 relationship	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L52	1425	L51 arrangement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L53	25	L49 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L54	5	L52 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L55	25	Specify adj root adj node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L56	11	zoom and HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L57	197	zoom and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L58	28	second adj screen and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L59	28	(second adj screen) and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L60	912	700/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L61	1155	700/204.ccls. or 700/15-17. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L62	1402	button and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L63	6	first adj (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L64	4011	(Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L65	964	L64 node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L66	735	L64 node link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L67	276	L64 node same link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L68	117	L67 and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L69	346	(Human adj Machine adj Interface) and editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L70	160	(Human adj Machine adj Interface) and navigating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L71	623	(Human adj Machine adj Interface) and navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L72	384	L71 and links	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L73	86	L71 and linking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L74	56	L73 and edit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L75	37	hierarch\$9 (root adj node) (specification SAME (HMI or ((human-machine adj interface) or (human adj machine adj interface))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L76	454	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L77	51	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) SAME link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L78	28	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) WITH link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L79	255	creat\$5 WITH (HMI or (human-machine adj interface) or (human adj machine adj interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25



L80	79	L79 and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L81	98	(HMI or (human-machine adj interface) or (human adj machine adj interface)) adj screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L82	2	"6618856".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L83	11	2002/0120921	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L84	2	"20020120921".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L85	2	"6421571".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L86	12	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf parent collision	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L87	50	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf obtaining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L88	777	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L89	0	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L90	1728	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L91	88	715/726.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L92	1728	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L93	0	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L94	9	"6055369".pn. "6407758". pn. "5812135".pn. "5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/12 06:25
L95	2	("20020120921").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/12 06:25
L96	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L97	13	(US-20020120921-\$).did. or (US-6975914-\$ or US- 6889096-\$ or US-6754885- \$ or US-6054986-\$ or US- 4914568-\$ or US-5301301- \$ or US-6618856-\$ or US- 5386459-\$ or US-6862105- \$ or US-5566333-\$ or US- 5911145-\$ or US-7017116- \$ or US-6549221-\$ or US- 6684264-\$).did.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:25
L98	122	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L99	80	(HMI with editor) or ((Human Machine Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L100	54	("HMI" with editor) or ((Human adj Machine adj Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L101	115	("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L102	3	((("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L103	318	((("HMI" or ((Human adj Machine adj Interface))) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L104	2	((("HMI" or ((Human adj Machine adj Interface))) (collision near3 node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L105	4	((("HMI" or ((Human adj Machine adj Interface))) (collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L106	7	((("HMI" or ((Human adj Machine adj Interface))) (node near (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L107	16	((("HMI" or ((Human adj Machine adj Interface))) (node near3 (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L108	20	((("HMI") or ((Human adj Machine adj Interface))) (node with (intersect\$3 or overlap\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L109	2	((("HMI") or (Human adj Machine adj Interface)) (leaf with parent) ((intersect\$3 or overlap\$3 or collide or collision) same (leaf or parent or node)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L110	1825	((monitoring or program\$4 or control\$3) with ((automation near2 machine) or (automation near2 process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L111	162	L110 (screens)!	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L112	48	L111 tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L113	45	L112 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L114	31	L113 parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L115	5	L114 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L116	5	L111 tree (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L117	25	L110 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L118	203	( "20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802" "20040139080"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/12 06:25

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"20040212615"  
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L119	102	("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753"	US-PGPUB	OR	ON	2008/05/12 06:25

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L120	13	L119 overlap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L121	21	(intersect\$3 or overlap\$3 or collide or collision) L118	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L122	1	(intersect\$3 or overlap\$3 or collide or collision) L118 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L123	38	(intersect\$3 or overlap\$3 or collide or collision) L110 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L124	3	L110 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L125	3	((("HMI") or ((Human adj Machine adj Interface))) (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L126	8724	((monitoring or program\$4 or control\$3) same ((automation with machine) or (automation with process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L127	3	L126 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L128	2	ScreenNavNodes	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L129	13957	((("HMI") or ((Human adj Machine adj Interface))) or L126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L130	3	L129 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L131	3	L129 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L132	44	L129 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L133	130	L129 ((intersect\$3 or overlap\$3 or collide or collision) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L134	23092	((("HMI") or (Human adj Machine adj Interface) or (Supervisory adj Control)) or L126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L135	53	L134 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L136	115	L134 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L137	53	L134 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L138	9	L134 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree visibility	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L139	3	tree (node with visibility) ("HMI") or (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L140	113	715/965.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L141	205	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L142	81	L141 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L143	33	L141 node parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L144	7	L141 parent adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25

L145	2	L141 (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L146	3	(715/964.ccls. or 715/965. ccls. 715/966.ccls. 715/967. ccls. 715/969.ccls. 715/970. ccls.) (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L147	7	(715/964.ccls. or 715/965. ccls. or 715/966.ccls. or 715/967.ccls. or 715/969. ccls. or 715/970.ccls.) AND ((intersect\$3 or overlap\$3 or collide or collision) with node) AND (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L148	12	(updat\$3 with hierarchy) (node with spacing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L149	12	(updat\$3 with hierarchy) (node with spacing) parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L150	4	"screen navigation editor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L151	1	2004-315841.NRAN.	DERWENT	AND	ON	2008/05/12 06:25
L152	17	Human machine interface screen navigat\$4 config\$5 designing collection linked hierarchically organized screen nodes HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:25
L153	33	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L154	25	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor ((intersect\$3 or overlap\$3 or collide or collision) or (drag near\$3 drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L155	4	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor (drag near\$3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L156	10	hierarchical\$2 node tree HMI editor (drag near\$3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L157	7	hierarchical\$2 node tree HMI editor (drag near\$3 drop) (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L158	2	hierarchical\$2 node tree HMI editor (drag near\$3 drop) (parent with updat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L159	2	hierarchi\$5 node tree HMI editor (drag near\$3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L160	5	hierarchi\$5 tree HMI (drag near\$3 drop) (node with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L161	5	hierarchi\$5 tree HMI (drag near\$3 drop) (node with (updat\$3 or refresh\$3 or creat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L162	0	hierarchi\$5 tree HMI (drag near3 drop) near3 (over or "on" or "top of")(node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L163	100	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L164	639	hierarchi\$5 tree (automatic\$4 with parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L165	47	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout )) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L166	25	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout )) ((collide or collision or intersection) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L167	27	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L168	11	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L169	21	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L170	18	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) near\$4 (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L171	1	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with position with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L172	1	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (\$3position\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L173	4	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting)) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L174	13	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L175	13	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order \$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L176	13	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order \$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L177	81	tree (node adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L178	9	tree (node adj editor) layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26



L179	39	tree (node adj editor) ((layout or position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order \$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L180	394	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L181	320	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L182	319	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally parent (child or leaf)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L183	320	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L184	471	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L185	46	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical ((spacing or distanced or distancing) same node) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L186	1374	345/440.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L187	71	(editing tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L188	106	(edit\$3 tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L189	1	1990-101229.NRAN.	DERWENT	AND	ON	2008/05/12 06:26
L190	0	345/440.ccls. 715/514.ccls. 715/764.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L191	43	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L192	0	345/440.ccls. 715/514.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L193	43	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L194	2	(update adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L195	21	(update adj parent) node tree leaf distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L196	1	(updating adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L197	11	(updat\$3 near3 parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L198	19	(US-20030191608-\$ or US- 20020120921-\$).did. or (US-6259458-\$ or US- 6054986-\$ or US-5606654- \$ or US-5432897-\$ or US- 5386459-\$ or US-6067477- \$ or US-6975914-\$ or US- 6889096-\$ or US-6754885- \$ or US-6618856-\$ or US- 7017116-\$ or US-4914568- \$ or US-5301301-\$ or US- 6862105-\$ or US-6144962- \$ or US-5911145-\$ or US- 5870559-\$ or US-6549221- \$ or US-6684264-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2008/05/12 06:26
L204	1158	("20010034659"   "20020022900"   "20030004874"   "20030176940"   "20030177046"   "20030181991"   "20040046997"   "3665172"   "3810119"   "3825905"   "4006464"   "4064394"   "4096566"   "4141066"   "4276593"   "4302820"   "4312068"   "4315315"   "4323966"   "4347563"   "4399513"   "4410942"   "4413314"   "4423486"   "4428044"   "4435762"   "4443861"   "4455619"   "4456997"   "4466098"   "4471457"   "4488226"   "4493027"   "4524421"   "4546435"   "4570217"   "4609995"   "4613946"   "4615001"	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26

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"4641276"	"4644478"
"4644479"	"4648064"
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L205	122	L204 (parent or root or (top adj level) or (top adj most) or father or mother) near3 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L206	38	L204 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L213	1316	("20010029506"   "20010045965"   "20010056429"   "20020015034"   "20020026461"   "20020032768"   "20020054166"   "20020057297"   "20020089541"   "20020089550"   "20020109680"   "20020130907"   "20020140700"   "20020152150"   "20020154171"   "20020154175"   "20020163517"   "20020174147"   "20030004995"   "20030020762"   "20030065608"   "20030069834"   "20030095156"   "20030097325"   "20030106057"   "20030112280"   "20030115023"   "20030117432"   "20030120659"   "20030126068"   "20030126601"   "20030137541"   "20030144996"   "20030158897"   "20030160832"   "20030197736"   "20030197737"   "20030197740"   "20030210284"   "20030227458"   "20040034591"	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26



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L214	142	L213 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L215	30	L213 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) (intersect\$3 or overlap \$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L216	14	L213 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L217	372	( "20030050915"   "3816726"   "4524421"   "4528643"   "4613946"   "4698752"   "4710763"   "4719571"   "4807158"   "4833592"   "4841292"   "4868771"   "4928247"   "4994989"   "5043920"   "5072395"   "5150457"   "5164904"   "5201047"   "5226120"   "5228119"   "5247517"   "5247666"   "5251131"   "5253333"   "5276789"   "5282262"   "5295243"   "5295244"   "5297241"   "5303388"   "5307456"   "5325445"   "5333254"   "5337404"   "5339390"   "5379422"   "5386394"   "5394522"   "5412772"   "5418946"   "5420968"   "5426780"   "5428744"   "5459829"   "5463773"   "5467444"   "5479597"   "5504863"   "5515486"   "5515488"   "5519865"   "5526478"   "5528735"   "5546529"   "5553163"   "5555354"   "5557714"   "5559942"   "5572640"   "5592599"   "5604821"   "5619632"   "5623590"   "5634087"   "5644740"   "5659731"   "5671333"   "5671381"   "5675711"   "5675785"   "5675786"   "5678015"   "5680476"   "5684967"   "5694524"   "5696964"   "5706495"   "5715432"   "5724573"   "5727199"   "5732230"   "5737487"   "5748852"   "5751965"   "5761664"   "5761667"   "5774669"   "5786820"   "5787274"   "5802383"   "5821937"   "5861891"   "5870768"   "5877775"   "5958008"   "5966128"   "6055539"   "6067093"   "B14555775").PN. OR ("5450535"   "5590250"   "5877766"   "6067093"   "6111578"   "6137493"   "6137499"   "6219053"   "6259451"   "6259458"   "6922692").URFN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
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L218	8	L217 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L219	118	L213 L217	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L220	78	(hierarchical display).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L221	35	(hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L222	7	(edit\$3 with hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L223	9	(edit\$3 with hierarchical near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L224	64	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3))	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L225	3	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) with (((intersect\$3 or overlap\$3 or collide or collision) with node))	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26

L226	238	((hierarchical or tree)) (((parent or root or top) with node) with ((drag\$3 adj over) or drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L227	3	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 adj over) or (drop adj over)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L228	176	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 or drop\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L229	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L230	607	detect\$4 (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L231	252	detect\$4 same (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L232	2	"7035898".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L233	3	((hierarchical or tree)) (((parent or root or top) with node) with (drag adj over))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L234	13743	(hierarchic\$5 tree) (editor or editing or modifying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26



L235	66	(hierarchic\$5 tree) (re adj position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L236	39	(hierarchic\$5 tree) (re adj position) node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L237	948	715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L238	374	715/853.ccls. (updat\$3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L239	54	715/853.ccls. (updat\$3 near3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L240	15	715/853.ccls. (reorder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L241	128	715/853.ccls. shift	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L242	4	715/853.ccls. (vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L243	148	715/853.ccls. ((node or root or parent) with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L244	105	715/853.ccls. ((node or root or parent) near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L245	16	715/853.ccls. (adjust near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L246	88	715/853.ccls. (node near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L247	39	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or cover or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L248	36	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or covering or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L249	28	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L250	2	"5911145".pn. automatic \$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L251	51	715/853.ccls. (node near3 automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L252	0	715/853.ccls. (node near3 automatic\$4) with insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L253	2	715/853.ccls. (node near3 automatic\$4) with drop	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L254	5	715/853.ccls. (node with automatic\$4 with drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L255	63	(node with automatic\$4 with (((intersection or overlap or collide or collision or intersection)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L256	1480	drop adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L257	85	(drop adj node) editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L258	127	(Tree adj View adj Control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L259	402	(shift with (parent or root or node) with right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L260	141	(shift with (parent or root or node) with right) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L261	14	715/853.ccls. Collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L262	1	715/853.ccls. (Collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L263	39	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L264	39	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L265	17	715/853.ccls. (adjusting with position )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L266	252	715/853.ccls. layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L267	172	L266 automatic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L268	8	715/853.ccls. (layout with automatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L269	20	715/853.ccls. (layout with automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L270	165	(vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26

L271	35	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L272	59	("4606002"   "4611272"   "4945475"   "5058144"   "5202986"   "5230047"   "5257365"   "5293616"   "5295261"   "5333317"   "5377281"   "5392363"   "5404510"   "5418947"   "5487166"   "5488717"   "5495609"   "5497485"   "5528701"   "5530957"   "5534861"   "5551027"   "5557786"   "5560007"   "5644763"   "5649023"   "5651099"   "5664172"   "5694591"   "5701467"   "5717921"   "5737732"   "5752243"   "5761652"   "5765168"   "5768423"   "5781772"   "5787430"   "5799184"   "5799299"   "5809296"   "5832182"   "5842196"   "5848416"   "5873087"   "5884297"   "5963956"   "5970170"   "6014659"   "6041053"   "6153591"   "6175835"   "6208993"   "6240418") PN. OR ("6675173").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L273	107	(visual adj tree)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L274	473	(dynamic near3 (tree or hierarchy)) visual	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L275	260	(dynamic near3 (tree or hierarchy)) editor	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L276	546	(dynamic near3 (tree or hierarchy)) edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L277	9	(dynamic near3 (tree or hierarchy)) with edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L278	39	(tree or hierarchy) (relocate near3 node)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L279	52	(tree near3 structure near3 editor)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26

L280	40	("4075689"   "4318184"   "4447875"   "4468728"   "4611298"   "4613946"   "4656603"   "4677550"   "4710763"   "4763277"   "4764867"   "4813010"   "4817036"   "4831525"   "4860204"   "4866635"   "4868743").PN. OR ("5493678").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L281	173	(become near3 new near3 parent)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L282	105	(become near3 new near3 parent) (tree or hierarchy)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L283	114	(become near3 new near3 parent) (tree or hierarch \$4)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L284	192	(become near3 new near2 parent or root)) (tree or hierarch\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L285	247	((tree adj structure) near3 edit\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L286	197	((tree adj structure) near3 (editor or editing)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L287	59	((tree adj structure) near3 (editor or editing) (drag\$3 with drop\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L288	9	(NetObjects).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L289	17	(Arora Samir).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L290	4	("5911145"   "6237006"   "6282454"   "6421571"). PN.	USPAT	AND	ON	2008/05/12 06:26

L291	21	(US-20020120921-\$ or US-20030191608-\$).did. or (US-4914568-\$ or US-5432897-\$ or US-5606654-\$ or US-5870559-\$ or US-5911145-\$ or US-6054986-\$ or US-6067477-\$ or US-6144962-\$ or US-6259458-\$ or US-6549221-\$ or US-6618856-\$ or US-6684264-\$ or US-6754885-\$ or US-6889096-\$ or US-6975914-\$ or US-7017116-\$ or US-5386459-\$ or US-6862105-\$ or US-6067093-\$ or US-5493678-\$ or US-5812135-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2008/05/12 06:26
L292	148	L243 position	US-PGPUB; USPAT; JPO	AND	ON	2008/05/12 06:26
L293	18	L291 position	US-PGPUB; USPAT; JPO	AND	ON	2008/05/12 06:26
L294	7	L291 (position near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2008/05/12 06:26
L295	2	L291 (relocat\$3 near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2008/05/12 06:26
L296	20	("4524421"   "4613946"   "4710763"   "4841292"   "5333254"   "5557714"   "5592599"   "5619632"   "5774669"   "5786820"   "5877775").PN. OR ("6259458").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L297	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L298	2	hierarchi\$5 node tree HMI (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L299	99	(Industrial plant).ti.	USPAT	AND	ON	2008/05/12 06:26
L300	569	(Industrial plant).ab.	USPAT	AND	ON	2008/05/12 06:26
L301	562	(Industrial plant).dm.	USPAT	AND	ON	2008/05/12 06:26
L302	159	(Industrial adj plant).dm.	USPAT	AND	ON	2008/05/12 06:26

L303	246	(Industrial adj plant) ctm.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L304	51	(Industrial adj plant) ti.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L305	9	(Industrial adj plant) ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L306	30	(Industrial plant) ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L307	5	(Industrial plant) ti. vertical horizontal GUI	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L308	5	L307 position	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L309	5	L307 parent position	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L310	5	L307 (parent same position)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L311	5	L307 (parent with position)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L312	0	L307 (parent with adjusting) recursivlyu	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L313	6	HMI adj user adj screens	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L314	80	HMI adj screens	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L315	36	(HMI adj screens) parent	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L316	3	(HMI adj screens) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L317	0	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L318	198	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L319	198	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L320	115	(process with visualization) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L321	3	(process with visualization) (Supervisory adj Control adj system) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L322	1	2004-315841.NRAN.	DERWENT	AND	ON	2008/05/12 06:26
L323	1	2004-315841.NRAN.	DERWENT	AND	ON	2008/05/12 06:26
L324	61279	process visualization	US-PGPUB; USPAT; USOCR, EPO, JPO, DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26



L325	65	(process with visualization) (drag with drop) editor	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L326	1279	hmi process	US-PGPUB	AND	ON	2008/05/12 06:26
L327	215	(industrial process).ti.	US-PGPUB	AND	ON	2008/05/12 06:26
L328	2118	(industrial process).clm.	US-PGPUB	AND	ON	2008/05/12 06:26
L329	518	(industrial near process). clm.	US-PGPUB	AND	ON	2008/05/12 06:26
L330	478	(industrial adj process). clm.	US-PGPUB	AND	ON	2008/05/12 06:26
L331	22	(industrial adj process). clm. GUI	US-PGPUB	AND	ON	2008/05/12 06:26
L332	0	(industrial adj process). clm. GUI editor.ti.	US-PGPUB	AND	ON	2008/05/12 06:26
L333	5	(process editor).ti.	US-PGPUB	AND	ON	2008/05/12 06:26
L334	12	(hmi with editor) "715". clas.	US-PGPUB	AND	ON	2008/05/12 06:26
L335	29	(hmi with editor)	US-PGPUB	AND	ON	2008/05/12 06:26
L336	23	(hmi with editor) position	US-PGPUB	AND	ON	2008/05/12 06:26
L337	34	((hmi or (human adj machine adj interface)) with edit\$3) position	US-PGPUB	AND	ON	2008/05/12 06:26
L338	5	((hmi or (human adj machine adj interface)) with edit\$3) position (dragged with top)	US-PGPUB	AND	ON	2008/05/12 06:26
L339	205	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L340	47	715/967.ccls. industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L341	25	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:26
L342	25	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26

L343	65	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L344	15	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent node	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L345	6	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent same node	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L346	6	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) (parent same node)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L347	1	"5905989".pn.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L348	80	("4591983"   "4628435"   "4644479"   "4719586"   "4803039"   "4815014"   "4839823"   "4853175"   "4855923"   "4858102"   "4947095"   "5068080"   "5099436"   "5119318"   "5148363"   "5161110"   "5189604"   "5195029"   "5214577"   "5216612"   "5239547"   "5249260"   "5251144"   "5267141"   "5305426"   "5333240"   "5355444"   "5398304"   "5402526"   "5403447"   "5406502"   "5412756"   "5414632"   "5442562"   "5463545"   "5463567"   "5511004"   "5521844"   "5541832"   "5557549"   "5559691"   "5561610"   "5617514"   "5630025"   "5659743").PN. OR ("5905989").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:26
L349	23	((715/967.ccls.) OR (715/771.ccls.)) (parent with node)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L350	12	((715/967.ccls.) OR (715/771.ccls.)) (parent with node) hierarchy	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L351	10	((715/967.ccls.) OR (715/771.ccls.)) (parent with position)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L352	8	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26

L353	8	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L354	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node recursively	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L355	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L356	153	industrial (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L357	138	industrial (parent adj node) recursively (not (INDUSTRIAL adj APPLICABILITY))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L358	9	industrial plant (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2008/05/12 06:26
L359	1	(10/196007).APP.	USPAT; USOCR	AND	ON	2008/05/12 06:27
L360	2	(industrial with plant) (automated with controller) (recursively with update)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L361	2	"20040128120".pn. or "20040073404".pn.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L362	300	(node with collision) industrial	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L363	43	(node with collision) industrial plant	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L364	15	(node with overlap) industrial plant	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L365	8	((715/967.ccls.) OR (715/771.ccls.)) industrial (drop with top)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L366	2	((715/967.ccls.)) (drop with top)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L367	54	(drop same (update\$3 with hierarchy))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L368	11	(automated adj machine adj controller)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L369	1383	(automated )(machine adj controller)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L370	317	(automated )(machine adj controller) cell control	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L371	317	(automated )(machine adj controller) (cell control)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L372	3	(automated )(machine adj controller) (cell adj control)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27

L373	3	(715/967.ccls.) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L374	1	(industrial near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L375	18	((manufactur\$3 or industrial or automation) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L376	28	((manufactur\$3 or industrial or automation or process\$3) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L377	33	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L378	2293	(vertical\$5 with tree) (horizontal\$5 with tree)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L379	112	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L380	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3) near3 plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L381	11	industrial plant (drag adj drop) recursively	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L382	20	"6282455"	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L383	2	industrial plant (drag adj drop) (recursively with updat\$3)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L384	40	industrial plant (drag drop) (recursive\$3)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L385	16	industrial plant (drag drop) (recursive\$3) tree	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L386	2	industrial ((drag drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L387	25	industrial ((drag or drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L388	1	"7165226".pn.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L389	3	"6,889,096"	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L390	20	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27

L391	10	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L392	1	"6477435".pn.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L393	11	("5812394"   "5822206"   "6161051").PN. OR ("6477435").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L394	1	"20060256084".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L395	3	("5546521"   "5777616"   "6347800").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L396	3	("6055369"   "20010029506"   "5926180").pn.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L397	2	"6421571".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L398	69	("4399513"   "4413314"   "4644479"   "4803039"   "4872121"   "4985857"   "5202828"   "5291416"   "5311562"   "5559691"   "5602757"   "5623109"   "5631825"   "5675752"   "5719796"   "5748881"   "5822743"   "5826251"   "5838588"   "5854994"   "5859885"   "5870698"   "5877961"   "5899990"   "5905985"   "5905989"   "5918225"   "5963884"   "5995916"   "RE31750"). PN. OR ("6421571").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L399	4	L398 drag drop	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L400	144	(Industrial plant).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L401	34	(Industrial plant).ti.	US-PGPUB	AND	ON	2008/05/12 06:27
L402	68	"5911145"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27

L403	4	"5911145" industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L404	61	"5911145" process	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L405	48	"5911145" process control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L406	17	"5911145" process with control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L407	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufacture\$3 or industrial or automation or process\$3 or scada) near3 plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L408	2	"6282454".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L409	1	"6282454".pn.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L410	22	(US-20030028269-\$ or US- 20030101021-\$ or US- 20030191608-\$ or US- 20030023518-\$).did. or (US-6054986-\$ or US- 4914568-\$ or US-6975914- \$ or US-6854111-\$ or US- 6067477-\$ or US-6754885- \$ or US-6618856-\$ or US- 7017116-\$ or US-6259458- \$ or US-6067093-\$ or US- 5606654-\$ or US-5432897- \$ or US-6144962-\$ or US- 5870559-\$ or US-5493678- \$ or US-6549221-\$ or US- 6684264-\$ or US-5812135-	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27

		\$). did.				
L411	1	L410 drag with top	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L412	25	("4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5481741"   "5630164"   "5812394"   "5966532"   "5991537"   "5309352"   "5801942"   "5828851"   "5838563"   "5970471"   "6053951"   "6061057"   "6064816"   "6098028"   "6173438"   "6219628"   "6785805"   "6083267"   "6167383"   "6339763").PN.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L413	15	L412 (drop or drag)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L414	1	industrial (recursively with update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L415	1	industrial (recursively same update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L416	1	industrial (recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L417	34	(recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L418	6	(update with (hierarchy or tree)) (industrial plant).ab.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L419	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3) (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L420	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top of") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L421	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L422	75	(updat\$3) hierarchy (drag \$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L423	0	((updat\$3) with hierarchy) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L424	8	((updat\$3) with (hierarchy or tree or link)) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27

L425	3008	(industrial adj plant).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L426	257	(industrial adj plant).ab.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L427	561	(715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L428	108	L427 industrial	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L429	37	L428 Hierarchic\$4	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L430	22	L429 (drag\$3 or drop\$3)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L431	43	L428 Hierarch\$6	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L432	70	"715".das. (parent with overlap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L433	13	(automated adj machine adj controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L434	148	(automated with ( machine adj controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L435	2	(industrial adj plant) (automated with ( machine adj controller)) (hmi or mmi) Hierarchic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L436	4	(industrial adj plant) iconic \$4 Hierarchic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27



L437	15259	((human adj machine adj interface) or (HMI) or (man adj machine adj interface))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L438	10755	((human adj machine adj interface) or (HMI) or (man adj machine adj interface))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L439	4645	L438 calcula\$4	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L440	24	("5812135").URPN.	USPAT	AND	ON	2008/05/12 06:27
L441	24	(US-20030023518-\$ or US-20030028269-\$ or US-20030101021-\$ or US-20030191608-\$).did. or (US-6854111-\$ or US-5432897-\$ or US-7017116-\$ or US-6053951-\$ or US-6975914-\$ or US-5870559-\$ or US-6054986-\$ or US-6144962-\$ or US-6684264-\$ or US-6549221-\$ or US-5812135-\$ or US-4914568-\$ or US-5606654-\$ or US-5838563-\$ or US-6618856-\$ or US-6754885-\$ or US-6067093-\$ or US-5493678-\$ or US-6067477-\$ or US-6259458-\$).did.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L442	11	L441 industrial	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L443	2	"US 20030036873"	US-PGPUB; USPAT; USOCR; DERWENT	AND	ON	2008/05/12 06:27
L444	1	"20030036873".pn.	DERWENT	AND	ON	2008/05/12 06:27
L445	1	2003-456454.NRAN.	DERWENT	AND	ON	2008/05/12 06:27
L446	3	( ONLINE CONFIGURATION MEASUREMENT SYSTEM).ti.	DERWENT	AND	ON	2008/05/12 06:27
L447	1	2003-466375.NRAN.	DERWENT	AND	ON	2008/05/12 06:27
L448	1	2003-466375.NRAN.	DERWENT	AND	ON	2008/05/12 06:27
L449	6	( ONLINE MEASUREMENT SYSTEM).ti.	US-PGPUB	AND	ON	2008/05/12 06:27
L450	10	("2003/0036871").URPN.	USPAT	AND	ON	2008/05/12 06:27

L451	47	("20020144282"   "20030036871"   "20030036874"   "20030036875"   "20030036876"   "20030058280"   "20030066065"   "20030163298"   "4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5481741"   "5630164"   "5752042"   "5812394"   "5845077"   "5966532"   "5970471"   "5974454"   "5991537"   "6049789"   "6053951"   "6064816"   "6074434"   "6083267"   "6098028"   "6105063"   "6167383"   "6173438"   "6219628"   "6266774"   "6269456"   "6339763"   "6367077"   "6493871"   "6535911"   "6681351"   "6701513"   "6732296"   "6751794"   "6785805").PN. OR ("6889172").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L452	24	L451 (drop\$3 or drag\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L453	12	L451 (drop\$3 or drag\$3) position	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L454	44	"715".clas. (industrial with process)(drop\$3 or drag \$3) position parent	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L455	12	"715".clas. (industrial with process)(drop\$3 or drag \$3) position parent ((virtual adj instrument) or (virtual adj panel))	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L456	14	"715".clas. (industrial with process)(drop\$3 or drag \$3) position parent ((virtual adj instrument) or (virtual adj panel) or (screen adj node))	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27

L457	27	("4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5309352"   "5481741"   "5630164"   "5801942"   "5812394"   "5828851"   "5838563"   "5966532"   "5970471"   "5991537"   "5861882"   "6053951"   "6061057"   "6064816"   "6083267"   "6098028"   "6167383"   "6173438"   "6219628"   "6339763"   "6078320"   "6985876").PN.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L458	31944	((Configur\$3 or edit\$3) (Process adj Control))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L459	12	((Configur\$3 or edit\$3) (Process adj Control)).ti.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L460	82	("3665172"   "4006464"   "4302820"   "4413314"   "4443861"   "4639852"   "4641269"   "4663704"   "4672530"   "4682158"   "4704676"   "5121318"   "5124908"   "5129087"   "5140677"   "5164894"   "5168441"   "5202961"   "5251125"   "5307346"   "5309556"   "5371895"   "5377315"   "5384910"   "5392389"   "5394522"   "5408603"   "5420977"   "5426732"   "5428734"   "5432711"   "5437007"   "5444851"   "5452201"   "5459825"   "5461710"   "5467264"   "5475856"   "5481741"   "5485620"   "5491791"   "5500934"   "5504672"   "5504902"   "5513095"   "5519605"   "5530643"   "5546301"   "5549137"   "5550980"   "5559691"   "5566320"   "5576946"   "5594858"   "5621871"   "Re33162"). PN. OR ("5940294").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L461	2	L460 L459	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L462	92	L460 or L459	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L463	12	((Configur\$3 or edit\$3) (Industrial adj plant)or (Process adj Control))).ti.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27

L464	92	L463 or L462	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L465	28	L464 collection	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L466	38	L464 node	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L467	14	L464 node parent	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L468	9	L467 drag\$3	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L469	5	L468 overlap	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L470	16	("20030232176"   "4290248"   "4721589"   "5007818"   "5149193"   "5362222"   "5812394"   "6156842").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L471	3	("6904387").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L472	2	"20040024657".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L473	2	"6853920".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L474	198341	Siemens.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L475	123	Siemens.as. HMI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L476	9	Siemens.as. HMI parent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27

L477	1068	((man or human) adj machine adj interface).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L478	246	((man or human) adj machine adj interface).clm. industrial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L479	110	((man or human) adj machine adj interface).clm. industrial graphical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L480	40	((man or human) adj machine adj interface).clm. industrial graphical hierarchy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L481	1	((man or human) adj machine adj interface).clm. industrial graphical hierarchy (equal\$4 adj spac \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L482	23	((man or human) adj machine adj interface).clm. industrial graphical hierarchy parent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L483	13	((man or human) adj machine adj interface) industrial graphical hierarchy parent hmi scada visualization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L484	1561	(Rockwell Automation).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L485	8	ihmi objects	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L486	3	(intelligent adj hmi) objects	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L487	103	((man or human) adj machine adj interface) industrial graphical hierarch \$5 parent hmi	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27

L488	83	yufeng.inv.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L489	35	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L490	948	715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L491	203	715/853.ccls. vertical horizontal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L492	2	(715/855.ccls. or 715/854. ccls. or 715/853.ccls.) vertical horizontal vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L493	85	715/858.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L494	777	715/854.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L495	2	715/854.ccls. vertical horizontal vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L496	0	715/854.ccls. (vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree)) vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27

L497	0	(vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree)) vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L498	560	(vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L499	39	L498 "715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L500	3	(vertical\$4 with (hierarchy or tree)) (horizontal\$4 with (hierarchy or tree)) VRML	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L501	3	(vertical\$4 with (hierarchy or tree or (layout tree))) (horizontal\$4 with (hierarchy or tree or (layout tree))) VRML	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L502	193	tree.tl. "715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L503	48	tree.tl. "715".clas. horizontal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L504	0	(vrml with hierarch\$5) HMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L505	64	(vrml with hierarch\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27

L506	0	(vrml with (hierarch\$5 OR tree)) HMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L507	110	(vrml with (hierarch\$5 OR tree))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L508	8071	(typesl with tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L509	517	(typesl with tree) "715". clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L510	16	(typesl with tree) "715". clas. vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L511	19	vrml.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L512	11029	(vertical\$4 horizont\$5) same (tree or hierarch\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L513	22	((vertical\$4 horizont\$5) same (tree or hierarch\$6)) vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L514	13	((vertical\$4 horizont\$5) vrml (spaced with equal \$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27



L515	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:27
L516	69	("5446837"   "5632022"   "5634062"   "5634095"   "5644736"   "5644740"   "5701137"   "5745360"   "5748186").PN. OR ("5911145").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L517	6746	345/419.ccls. 345/420.ccls. 345/421.ccls. 345/422.ccls. 345/423.ccls. 345/424.ccls. 345/425.ccls. 345/426.ccls. 345/427.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/12 06:27
L518	1	1998-130869.NRAN.	DERWENT	AND	ON	2008/05/12 06:27
L519	15	("5302103"   "5736080"   "5852722"   "6137408"   "6275741"   "6393807"   "6466154").PN. OR ("6684264").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/05/12 06:27
L520	542	arora.inv.	DERWENT	AND	ON	2008/05/12 06:27
L521	0	(arora samir).inv.	DERWENT	AND	ON	2008/05/12 06:27
L522	17	(arora samir).inv.	US-PGPUB; USPAT	AND	ON	2008/05/12 06:27
L523	74	horizontal vertical hierarchy arrangement VRML	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L524	0	(horizontal adj (tree or layout or arrangement or configuration or hierarchy)) (vertical adj (tree or layout or arrangement or configuration or hierarchy)) VRML	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L525	2123	(horizontal adj (tree or layout or arrangement or configuration or hierarchy)) (vertical adj (tree or layout or arrangement or configuration or hierarchy))	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L526	3	L525 HMI	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L527	40	L525 industrial plant	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28

L528	3097	(horizontal same vertical same tree)	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L529	208	(horizontal same vertical same tree) industrial	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L530	75	(horizontal same vertical same tree) industrial rotate	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L531	55	(horizontal same vertical same tree) industrial rotate aligned	US-PGPUB; USPAT	AND	ON	2008/05/12 06:28
L532	2	"5420977".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:28
L533	45	hmi same html	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:28
L534	0	hmi same vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:28
L535	3	"6615091".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:28
L536	96	(HMI with development )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:28
L537	39	L536 html	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:28
L538	2	"6282455".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/05/12 06:28

S214	2446	(human-machine adj interface) or (human adj machine adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/20 16:12
S215	351	S214 navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 10:46
S216	120	S215 and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 13:30
S217	293	700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:33
S218	1419	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:45
S219	369	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:36
S220	625	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37
S221	979	715/854.ccls. or 715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37
S222	2643	715/854.ccls. or 715/514.ccls. or 700/83.ccls. or 700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37
S223	67	S222 and (HIMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:40

S225	3751	(HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 12:17
S228	14	HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:42
S229	90	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:28
S230	14	(HMI adj editor) or (Human adj Machine adj Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:44
S232	49	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor) or (man adj machine adj interface)) and (user adj screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 17:20
S234	5	09/607369	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 17:22
S235	12	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:29
S237	12	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:45
S238	10	S237 and zoom\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:30
S239	59	((HMI) or (Human adj Machine adj Interface)) and hierarch\$7 and zoom \$5 and (render or supply or provide or furnish or yield or return or give, or deliver or depict or show or display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 12:16

S240	249	(HMI or (Human adj Machine adj Interface)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:08
S242	12	(HMI or (Human adj Machine adj Interface)).ti. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:33
S243	35	(HMI or (Human adj Machine adj Interface)).ab. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:25
S244	12	S243 and leaf and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:07
S245	3	S243 and leaf and node zoom	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 09:57
S246	291	(715/771).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:40
S247	20	(715/771).ccls. and (715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:57
S248	14	(715/771).ccls. and (715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:03
S249	3	(715/771).ccls. and (715/762).ccls. and hierarch\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:58
S250	6	("5301301"   "5592600"   "6054986"   "6437805"   "6449624"   "6593947"). PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/05 14:21
S251	362	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:48

S253	362	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and (specification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:34
S254	33	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 14:35
S255	17	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT	OR	ON	2006/06/05 14:38
S256	4	S255 and zoom	US-PGPUB; USPAT	OR	ON	2006/06/05 14:41
S257	22	providing screen navigation editor linked hierarch\$9 HMI screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:48
S258	33	providing screen navigation editor hierarch\$9 (HMI or (Human adj Machine adj Interface)) screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:49
S261	475	(715/762).cls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:03
S267	3	editor hierarch\$9 (root adj node) (specification or Specify) with (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:35
S268	4	editor hierarch\$9 (root adj node) (specification or Specify) SAME (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:36

S270	82	(715/771).cds. and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:40
S271	18	S270 and root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:38
S272	11	S271 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:39
S273	87	(715/771).cds. and hierarch\$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:01
S274	21	(715/771).cds. and hierarch\$9 root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:01
S277	276	hierarch\$9 (root adj node) editor navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:28
S278	270	S277 and interface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:28
S279	70	S278 industrial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:29
S281	4492	hierarch\$9 (root adj node)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:37
S282	2593	S281 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:20

S283	1960	S282 relationship	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:41
S284	990	S283 arrangement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:51
S285	18	S281 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:03
S286	3	S284 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:53
S289	18	Specify adj root adj node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:22
S291	10	zoom and HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 14:28
S292	117	zoom and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:26
S293	17	second adj screen and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:27
S294	17	(second adj screen) and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:49
S295	714	700/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:36



S297	921	700/204.ccls. or 700/15-17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:36
S298	856	button and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:50
S301	4	first adj (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:53
S302	2456	(Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 16:01
S304	561	S302 node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:54
S305	439	S302 node link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:54
S306	140	S302 node same link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:56
S307	66	S306 and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:56
S309	213	(Human adj Machine adj Interface) and editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:28
S311	95	(Human adj Machine adj Interface) and navigating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37

S312	354	(Human adj Machine adj interface) and navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S313	228	S312 and links	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S314	58	S312 and linking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:40
S315	34	S314 and edit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:40
S317	30	hierarch\$9 (root adj node) (specification SAME (HMI or ((human-machine adj interface) or (human adj machine adj interface))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:19
S318	305	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:22
S319	40	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) SAME link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:22
S320	23	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) WITH link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 15:19
S327	167	creat\$5 WITH (HMI or (human-machine adj interface) or (human adj machine adj interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 14:26
S328	59	S327 and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 14:22

S329	56	(HMI or (human-machine adj interface) or (human adj machine adj interface)) adj screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:05
S330	2	"6618856".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:07
S331	4	2002/0120921	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:07
S332	2	"20020120921".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 16:17
S333	2	"6421571".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 16:17
S334	8	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf parent collision	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:44
S335	35	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf obtaining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:57
S336	626	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:58
S337	372	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S338	1423	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:58

S339	67	715/726.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S340	1423	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S341	372	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S342	8	"6055369".pn. "6407758". pn. "5812135".pn. "5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:00
S348	2	("20020120921").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/22 14:27
S350	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 10:54
S351	15	(US-20020120921-\$).did. or (US-6975914-\$ or US- 6889096-\$ or US-6754885- \$ or US-6054986-\$ or US- 4914568-\$ or US-5301301- \$ or US-6618856-\$ or US- 5386459-\$ or US-6862105- \$ or US-5566333-\$ or US- 5911145-\$ or US-7017116- \$ or US-6549221-\$ or US- 6684264-\$).did.	US-PGPUB; USPAT	AND	ON	2006/12/19 10:27
S352	93	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:28
S353	66	(HMI with editor) or ((Human Machine Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:29

S354	43	("HMI" with editor) or ((Human adj Machine adj Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:20
S355	79	("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:37
S357	3	((("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:43
S358	231	((("HMI") or ((Human adj Machine adj Interface))) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:48
S359	2	((("HMI") or ((Human adj Machine adj Interface))) (collision near3 node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:45
S360	3	((("HMI") or ((Human adj Machine adj Interface))) (collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:45
S361	6	((("HMI") or ((Human adj Machine adj Interface))) (node near (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 15:43
S362	6	((("HMI") or ((Human adj Machine adj Interface))) (node near3 (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 15:50
S363	7	((("HMI") or ((Human adj Machine adj Interface))) (node with (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:00

S364	2	((("HMI") or (Human adj Machine adj Interface)) (leaf with parent) ((intersect\$3 or overlap\$3 or collide or collision) same (leaf or parent or node)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:20
S365	1499	((monitoring or program\$4 or control\$3) with ((automation near2 machine) or (automation near2 process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:10
S366	130	S365 (screens)!	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:27
S367	40	S366 tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:31
S368	37	S367 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:29
S369	27	S368 parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:29
S370	5	S369 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:32
S371	5	S366 tree (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:01
S372	20	S365 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:32

S373	203	("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802" "20040139080" "20040128070" "20040125114" "20040139155" "20050165548" "20040150644" "20040156321"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:02
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S374	102	("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802" "20040139080" "20040128070" "20040125114" "20040139155"	US-PGPUB	OR	ON	2006/12/19 17:02

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S376	13	S374 overlap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:03
S377	21	(intersect\$3 or overlap\$3 or collide or collision) S373	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:05
S379	1	(intersect\$3 or overlap\$3 or collide or collision) S373 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:06
S380	34	(intersect\$3 or overlap\$3 or collide or collision) S365 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:07
S381	2	S365 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:11
S382	2	((("HMI") or ((Human adj Machine adj Interface))) (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:07
S383	7242	((monitoring or program\$4 or control\$3) same ((automation with machine) or (automation with process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:48
S384	2	S383 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:49

S385	2	ScreenNavNodes	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:25
S386	11192	((("HMI") or ((Human adj Machine adj Interface))) or S383	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:52
S387	2	S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:50
S388	2	S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:50
S389	30	S386 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:53
S390	93	S386 ((intersect\$3 or overlap\$3 or collide or collision) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:51
S391	19484	((("HMI") or (Human adj Machine adj Interface) or (Supervisory adj Control)) or S383	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:53
S392	38	S391 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:54
S393	92	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:56

S394	41	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:56
S395	7	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree visibility	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:57
S396	3	tree (node with visibility) ("HMI") or (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:25
S397	105	715/965.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:24
S398	183	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:26
S399	69	S398 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:27
S400	28	S398 node parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:27
S401	5	S398 parent adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:29
S402	2	S398 (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:40

S403	3	(715/964.ccls. or 715/965.ccls. 715/966.ccls. 715/967.ccls. 715/969.ccls. 715/970.ccls.) (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:41
S406	7	(715/964.ccls. or 715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.) AND ((intersect\$3 or overlap\$3 or collide or collision) with node) AND (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:49
S410	10	(updat\$3 with hierarchy) (node with spacing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:51
S411	10	(updat\$3 with hierarchy) (node with spacing) parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:04
S412	4	"screen navigation editor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 16:37
S413	1	2004-315841.NRAN.	DERWENT	AND	ON	2006/12/19 19:07
S421	16	Human machine interface screen naviga\$4 config\$5 designing collection linked hierarchically organized screen nodes HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:10
S424	29	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:12
S425	22	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor ((intersect\$3 or overlap\$3 or collide or collision) or (drag near\$3 drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:31

S426	4	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor (drag near3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:15
S427	10	hierarchical\$2 node tree HMI editor (drag near3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:19
S428	7	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:23
S429	2	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with updat \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:24
S430	2	hierarchi\$5 node tree HMI editor (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:32
S432	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:33
S433	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:37
S434	0	hierarchi\$5 tree HMI (drag near3 drop) near3 (over or "on" or "top of")(node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:37
S438	69	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangement or layout ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:53

S439	512	hierarchi\$5 tree (automatic\$4 with parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:50
S440	25	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangement or layout )) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:57
S441	5	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangement or layout )) ((collide or collision or intersection) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:54
S442	17	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:58
S443	8	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:24
S444	14	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:04
S445	14	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) near4 (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:19
S446	1	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with position with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:26



S447	1	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (\$3position\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:48
S448	2	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting)) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:56
S449	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:03
S450	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order \$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:04

S451	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order \$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:06
S452	66	tree (node adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:06
S453	7	tree (node adj editor) layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:08
S454	31	tree (node adj editor) ((layout or position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order \$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:10
S455	278	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:12

S456	211	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:13
S457	210	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally parent (child or leaf)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:12
S458	211	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:15
S459	342	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:16
S460	39	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical ((spacing or distanced or distancing) same node) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:19
S461	1152	345/440.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:21
S462	65	(editing tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:22
S463	94	(edit\$3 tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:35
S464	1	1990-101229.NRAN.	DERWENT	AND	ON	2006/12/19 21:37

S465	1	345/440.ccls. 715/514.ccls. 715/764.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:41
S466	38	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:42
S467	4	345/440.ccls. 715/514.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:46
S468	38	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34
S469	2	(update adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:10
S470	10	(update adj parent) node tree leaf distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:09
S471	1	(updating adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:10
S472	11	(updat\$3 near3 parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:28

S473	22	(US-20030191608-\$ or US-20020120921-\$).did. or (US-6259458-\$ or US-6054986-\$ or US-5606654-\$ or US-5432897-\$ or US-5386459-\$ or US-6067477-\$ or US-6975914-\$ or US-6889096-\$ or US-6754885-\$ or US-6618856-\$ or US-7017116-\$ or US-4914568-\$ or US-5301301-\$ or US-6862105-\$ or US-6144962-\$ or US-5911145-\$ or US-5870559-\$ or US-6549221-\$ or US-6684264-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 15:25
S474	1007	("20010034659"   "20020022900"   "20030004874"   "20030176940"   "20030177046"   "20030181991"   "20040046997"   "3665172"   "3810119"   "3825905"   "4006464"   "4064394"   "4096566"   "4141066"   "4276593"   "4302820"   "4312068"   "4315315"   "4323966"   "4347563"   "4399513"   "4410942"   "4413314"   "4423486"   "4428044"   "4435762"   "4443861"   "4455619"   "4456997"   "4466098"   "4471457"   "4488226"   "4493027"   "4524421"   "4546435"   "4570217"   "4609995"   "4613946"   "4615001"   "4628437"   "4635183"   "4639852"   "4641269"   "4641276"   "4644478"   "4644479"   "4648064"   "4649479"   "4656603"   "4658372"   "4663704"   "4672530"   "4675812"   "4677587"   "4682158"   "4682304"   "4683530"   "4692859"   "4692918"   "4695968"   "4703421"   "4704676"   "4709325"   "4710763"   "4719593"   "4727477"   "4733366"   "4742349"   "4750109"   "4754127"   "4785408"   "4790762"   "4803039"   "4805107"   "4813013"   "4816996"   "4817094"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:27

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S475	100	S474 (parent or root or (top adj level) or (top adj most) or father or mother) near3 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:30
S476	33	S474 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:32

S477	1121	("20010029506"   "20010045965"   "20010056429"   "20020015034"   "20020026461"   "20020032768"   "20020054166"   "20020057297"   "20020089541"   "20020089550"   "20020109680"   "20020130907"   "20020140700"   "20020152150"   "20020154171"   "20020154175"   "20020163517"   "20020174147"   "20030004995"   "20030020762"   "20030065608"   "20030069834"   "20030095156"   "20030097325"   "20030106057"   "20030112280"   "20030115023"   "20030117432"   "20030120659"   "20030126068"   "20030126601"   "20030137541"   "20030144996"   "20030158897"   "20030160832"   "20030197736"   "20030197737"   "20030197740"   "20030210284"   "20030227458"   "20040034591"   "20040193524"   "20050075965"   "3522597"   "3688099"   "3757037"   "3930233"   "4064394"   "4085443"   "4167821"   "4227245"   "4315315"   "4317956"   "4323891"   "4366475"   "4392130"   "4418345"   "4451900"   "4455619"   "4464543"   "4514800"   "4514801"   "4524421"   "4527249"   "4528643"   "4542452"   "4546349"   "4546435"   "4555772"   "4570217"   "4613946"   "4622013"   "4633436"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:54
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S478	125	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:43
S479	26	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) (intersect\$3 or overlap \$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:44
S480	11	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:45
S481	327	("20030050915"   "3816726"   "4524421"   "4528643"   "4613946"   "4698752"   "4710763"   "4719571"   "4807158"   "4833592"   "4841292"   "4868771"   "4928247"   "4994989"   "5043920"   "5072395"   "5150457"   "5164904"   "5201047"   "5226120"   "5228119"   "5247517"   "5247666"   "5251131"   "5253333"   "5276789"   "5282262"   "5295243"   "5295244"   "5297241"   "5303388"   "5307456"   "5325445"   "5333254"   "5337404"   "5339390"   "5379422"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:53

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S482	7	S481 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:51
S483	101	S477 S481	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:55
S484	67	(hierarchical display).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:56



S485	31	((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (update\$3 or position\$3 or locat\$3 or place\$4 or new or become\$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:59
S486	6	(edit\$3 with hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (update\$3 or position\$3 or locat\$3 or place\$4 or new or become\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:00
S487	8	(edit\$3 with hierarchical near3 display) (((parent or root) with node) same (update\$3 or position\$3 or locat\$3 or place\$4 or new or become\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:01
S488	54	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) same (update\$3 or position\$3 or locat\$3 or place\$4 or new or become\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:02
S489	3	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) with ((intersect\$3 or overlap\$3 or collide or collision) with node))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:06
S491	207	((hierarchical or tree) (((parent or root or top) with node) with ((drag\$3 adj over) or drop)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:11
S492	2	((hierarchical or tree) (((parent or root or top) with node) near5 ((drag\$3 adj over) or (drop adj over))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:13
S493	152	((hierarchical or tree) (((parent or root or top) with node) near5 ((drag\$3 or drop\$3))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:13

S494	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:52
S495	504	detect\$4 (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S496	222	detect\$4 same (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S497	2	"7035898".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S498	2	((hierarchical or tree)) (((parent or root or top with node) with (drag adj over))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:45
S499	10887	(hierarchic\$5 tree) (editor or editing or modifying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:58
S500	53	(hierarchic\$5 tree) (re adj position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:58
S501	32	(hierarchic\$5 tree) (re adj position) node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:59
S502	794	715/853.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34

S503	307	715/853.ccls. (updat\$3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34
S504	42	715/853.ccls. (updat\$3 near3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:41
S505	13	715/853.ccls. (reorder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:42
S506	112	715/853.ccls. shift	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:43
S507	3	715/853.ccls. (vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:00
S508	127	715/853.ccls. ((node or root or parent) with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:44
S509	89	715/853.ccls. ((node or root or parent) near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:45
S510	14	715/853.ccls. (adjust near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:48
S511	75	715/853.ccls. (node near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:52

S512	35	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or cover or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:05
S513	32	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or covering or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:06
S514	24	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:12
S515	2	"5911145".pn. automatic \$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:07
S516	47	715/853.ccls. (node near3 automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:28
S517	0	715/853.ccls. (node near3 automatic\$4) with insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:10
S518	2	715/853.ccls. (node near3 automatic\$4) with drop	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:11
S519	5	715/853.ccls. (node with automatic\$4 with drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:12
S520	55	(node with automatic\$4 with ((intersection or overlap or collide or collision or intersection)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:13

S521	1257	drop adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:13
S522	70	(drop adj node) editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:16
S523	103	(Tree adj View adj Control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:23
S524	363	(shift with (parent or root or node) with right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:04
S525	125	(shift with (parent or root or node) with right) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:04
S526	10	715/853.ccls. Collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:30
S527	1	715/853.ccls. (Collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:30
S528	33	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:36
S529	34	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:39

S530	15	715/853.ccls. (adjusting with position )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:49
S531	211	715/853.ccls. layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:50
S532	142	S531 automatic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:49
S533	6	715/853.ccls. (layout with automatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:50
S534	15	715/853.ccls. (layout with automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53
S535	144	(vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53
S536	28	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53
S537	55	("4606002"   "4611272"   "4945475"   "5058144"   "5202986"   "5230047"   "5257365"   "5293616"   "5295261"   "5333317"   "5377281"   "5392363"   "5404510"   "5418947"   "5487166"   "5488717"   "5495609"   "5497485"   "5528701"   "5530957"   "5534861"   "5551027"   "5557786"   "5560007"   "5644763"   "5649023"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 20:56

		"5651099"   "5664172"   "5694591"   "5701467"   "5717921"   "5737732"   "5752243"   "5761652"   "5765168"   "5768423"   "5781772"   "5787430"   "5799184"   "5799299"   "5809296"   "5832182"   "5842196"   "5848416"   "5873087"   "5884297"   "5963956"   "5970170"   "6014659"   "6041053"   "6153591"   "6175835"   "6208993"   "6240418"). PN. OR ("6675173").URPN.				
S538	71	(visual adj tree)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:00
S539	347	(dynamic near3 (tree or hierarchy)) visual	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S540	192	(dynamic near3 (tree or hierarchy)) editor	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S541	409	(dynamic near3 (tree or hierarchy)) edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S542	9	(dynamic near3 (tree or hierarchy)) with edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:03
S543	27	(tree or hierarchy) (relocate near3 node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:15
S544	45	(tree near3 structure near3 editor)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:35
S545	37	("4075689"   "4318184"   "4447875"   "4468728"   "4611298"   "4613946"   "4656603"   "4677550"   "4710763"   "4763277"   "4764867"   "4813010"   "4817036"   "4831525"   "4860204"   "4866635"   "4868743").PN. OR ("5493678").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:22
S546	137	(become near3 new near3 parent)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:26
S547	80	(become near3 new near3 parent) (tree or hierarchy)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:32
S548	89	(become near3 new near3 parent) (tree or hierarch \$4)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:32
S549	154	(become near3 new near2 parent or root)) (tree or hierarch\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:33
S550	183	((tree adj structure) near3 edit\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:36
S551	142	((tree adj structure) near3 (editor or editing)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 22:20

S552	24	(tree adj structure) near3 (editor or editing) (drag\$3 with drop\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:44
S553	9	(NetObjects).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:11
S554	14	(Arora Samir).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:31
S556	4	("5911145"   "6237006"   "6282454"   "6421571"). PN.	USPAT	AND	ON	2007/04/02 10:51
S561	24	(US-20020120921-\$ or US-20030191608-\$).did. or (US-4914568-\$ or US-5432897-\$ or US-5606654-\$ or US-5870559-\$ or US-5911145-\$ or US-6054986-\$ or US-6067477-\$ or US-6144962-\$ or US-6259458-\$ or US-6549221-\$ or US-6618856-\$ or US-6684264-\$ or US-6754885-\$ or US-6889096-\$ or US-6975914-\$ or US-7017116-\$ or US-5386459-\$ or US-6862105-\$ or US-6067093-\$ or US-5493678-\$ or US-5812135-\$).did. or (JP-05307476-\$). did.	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:39
S562	127	S508 position	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:39
S563	20	S561 position	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:41
S564	7	S561 (position near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:46
S565	2	S561 (relocat\$3 near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:46
S566	18	("4524421"   "4613946"   "4710763"   "4841292"   "5333254"   "5557714"   "5592599"   "5619632"   "5774669"   "5786820"   "5877775").PN. OR ("6259458").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 23:48



S567	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS, EPO, JPO, DERWENT; IBM_TDB	AND	ON	2006/12/20 23:54
S568	2	hierarchi\$5 node tree HMI (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS, EPO, JPO, DERWENT; IBM_TDB	AND	ON	2007/04/02 09:23
S569	98	(Industrial plant).ti.	USPAT	AND	ON	2007/04/02 10:52
S570	549	(Industrial plant).ab.	USPAT	AND	ON	2007/04/02 10:52
S571	522	(Industrial plant).dm.	USPAT	AND	ON	2007/04/02 10:52
S572	151	(Industrial adj plant).dm.	USPAT	AND	ON	2007/04/02 10:52
S573	223	(Industrial adj plant).dm.	US-PGPUB; USPAT	AND	ON	2007/04/02 10:52
S574	48	(Industrial adj plant).ti.	US-PGPUB; USPAT	AND	ON	2007/04/02 10:52
S575	9	(Industrial adj plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2007/04/02 10:53
S576	30	(Industrial plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2007/04/02 10:54
S577	5	(Industrial plant).ti. vertical horizontal GUI	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S578	5	S577 position	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S579	5	S577 parent position	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S580	5	S577 (parent same position)	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S581	5	S577 (parent with position)	US-PGPUB; USPAT	AND	ON	2007/04/02 11:00
S582	0	S577 (parent with adjusting) recursively	US-PGPUB; USPAT	AND	ON	2007/04/02 11:02
S583	6	HMI adj user adj screens	US-PGPUB; USPAT	AND	ON	2007/04/02 11:25
S584	63	HMI adj screens	US-PGPUB; USPAT	AND	ON	2007/04/02 11:30
S585	28	(HMI adj screens) parent	US-PGPUB; USPAT	AND	ON	2007/04/02 12:38
S586	3	(HMI adj screens) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:39
S587	0	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 15:20

S588	144	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:40
S589	144	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:40
S590	84	(process with visualization) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/02 13:10
S591	3	(process with visualization) (Supervisory adj Control adj system) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/02 13:11
S592	1	2004-315841.NRAN.	DERWENT	AND	ON	2007/04/02 13:13
S593	1	2004-315841.NRAN.	DERWENT	AND	ON	2007/04/02 13:13
S594	51568	process visualization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 15:19
S595	41	(process with visualization) (drag with drop) editor	US-PGPUB; USPAT	AND	ON	2007/04/02 15:20
S596	915	hmi process	US-PGPUB	AND	ON	2007/04/02 15:37
S600	174	(industrial process).ti.	US-PGPUB	AND	ON	2007/04/02 15:39
S601	1746	(industrial process).clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S602	416	(industrial near process).clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S603	381	(industrial adj process).clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S604	15	(industrial adj process).clm. GUI	US-PGPUB	AND	ON	2007/04/02 15:40
S605	0	(industrial adj process).clm. GUI editor.ti.	US-PGPUB	AND	ON	2007/04/02 15:40
S608	3	(process editor).ti.	US-PGPUB	AND	ON	2007/04/02 15:41
S609	10	(hmi with editor) "715".clas.	US-PGPUB	AND	ON	2007/04/02 15:43
S610	25	(hmi with editor)	US-PGPUB	AND	ON	2007/04/02 15:44
S611	22	(hmi with editor) position	US-PGPUB	AND	ON	2007/04/02 15:46
S612	28	((hmi or (human adj machine adj interface)) with edit\$3) position	US-PGPUB	AND	ON	2007/04/02 15:47

S613	5	((hmi or (human adj machine adj interface)) with edit\$3) position (dragged with top)	US-PGPUB	AND	ON	2007/04/02 15:48
S618	188	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:44
S619	39	715/967.ccls. industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:44
S620	19	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:45
S621	19	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:45
S622	52	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S623	11	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent node	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S624	5	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent same node	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S625	5	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) (parent same node)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:55
S626	1	"5905989".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 13:50
S627	73	("4591983"   "4628435"   "4644479"   "4719586"   "4803039"   "4815014"   "4839823"   "4853175"   "4855923"   "4858102"   "4947095"   "5068080"   "5099436"   "5119318"   "5148363"   "5161110"   "5189604"   "5195029"   "5214577"   "5216612"   "5239547"   "5249260"   "5251144"   "5267141"   "5305426"   "5333240"   "5355444"   "5398304"	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 13:54

		"5402526"   "5403447" "5406502"   "5412756" "5414632"   "5442562" "5463545"   "5463567" "5511004"   "5521844" "5541832"   "5557549" "5559691"   "5561610" "5617514"   "5630025" "5659743").PN. OR ("5905989").URFN.				
S631	21	((715/967.ccls.) OR (715/771.ccls.)) (parent with node)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:06
S632	10	((715/967.ccls.) OR (715/771.ccls.)) (parent with node) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/03 14:14
S633	9	((715/967.ccls.) OR (715/771.ccls.)) (parent with position)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:21
S635	6	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:22
S636	6	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node	US-PGPUB; USPAT	AND	ON	2007/04/03 14:22
S637	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:23
S638	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:23
S639	125	industrial (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:24
S640	115	industrial (parent adj node) recursively (not (INDUSTRIAL adj APPLICABILITY))	US-PGPUB; USPAT	AND	ON	2007/04/03 14:24
S641	6	industrial plant (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 17:23
S642	1	(10/196007).APP.	USPAT; USOCR	AND	ON	2007/04/03 14:25
S643	2	(industrial with plant) (automated with controller) (recursively with update)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:29
S644	2	"20040128120".pn. or "20040073404".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 16:42
S645	225	(node with collision) industrial	US-PGPUB; USPAT	AND	ON	2007/04/03 16:43
S646	36	(node with collision) industrial plant	US-PGPUB; USPAT	AND	ON	2007/04/03 16:44

S647	13	(node with overlap) industrial plant	US-PGPUB; USPAT	AND	ON	2007/04/03 16:44
S648	8	((715/967.ccls.) OR (715/771.ccls.)) industrial (drop with top)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:47
S650	1	((715/967.ccls.)) (drop with top)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:48
S651	45	(drop same (updat\$3 with hierarchy))	US-PGPUB; USPAT	AND	ON	2007/04/03 16:51
S652	10	(automated adj machine adj controller)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:58
S653	1192	(automated )(machine adj controller)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:53
S654	276	(automated )(machine adj controller) cell control	US-PGPUB; USPAT	AND	ON	2007/04/03 16:53
S655	276	(automated )(machine adj controller) (cell control)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:54
S656	3	(automated )(machine adj controller) (cell adj control)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:54
S657	2	(715/967.ccls.) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:55
S658	1	(industrial near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:37
S659	15	((manufactur\$3 or industrial or automation) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:57
S660	25	((manufactur\$3 or industrial or automation or process\$3) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:06
S661	27	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:09
S662	2099	(vertical\$5 with tree) (horizontal\$5 with tree)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:10
S663	99	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:10
S664	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3) near3 plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:32
S665	10	industrial plant (drag adj drop) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 17:30
S666	15	"6282455"	US-PGPUB; USPAT	AND	ON	2007/04/03 17:28

S667	2	industrial plant (drag adj drop) (recursively with updat\$3)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:31
S668	38	industrial plant (drag drop) (recursive\$3)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:31
S669	14	industrial plant (drag drop) (recursive\$3) tree	US-PGPUB; USPAT	AND	ON	2007/04/03 17:32
S670	2	industrial ((drag drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2007/04/03 17:33
S671	21	industrial ((drag or drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2007/04/03 17:33
S672	1	"7165226".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:37
S673	3	"6,889,096"	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 17:43
S674	20	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 17:53
S675	10	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:53
S676	1	"6477435".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:58
S677	8	("5812394"   "5822206"   "6161051").PN. OR ("6477435").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:28
S678	1	"20060256084".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:31
S679	3	("5546521"   "5777616"   "6347800").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:31
S680	3	("6055369"   "20010029506"   "5926180").pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:05
S681	2	"6421571".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:09

S682	62	("4399513"   "4413314"   "4644479"   "4803039"   "4872121"   "4985857"   "5202828"   "5291416"   "5311562"   "5559691"   "5602757"   "5623109"   "5631825"   "5675752"   "5719796"   "5748881"   "5822743"   "5826251"   "5838588"   "5854994"   "5859885"   "5870698"   "5877961"   "5899990"   "5905985"   "5905989"   "5918225"   "5963884"   "5995916"   "RE31750").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:12
S683	3	S682 drag drop	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:21
S684	140	(Industrial plant).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:22
S685	31	(Industrial plant).ti.	US-PGPUB	AND	ON	2007/04/03 19:27
S686	51	"5911145"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:29
S687	3	"5911145" industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:30
S688	45	"5911145" process	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:30
S689	33	"5911145" process control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:31
S690	10	"5911145" process with control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:31

S691	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3 or scada) near3 plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:33
S692	2	"6282454".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:36
S693	1	"6282454".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:36
S694	22	(US-20030028269-\$ or US- 20030101021-\$ or US- 20030191608-\$ or US- 20030023518-\$).did. or (US-6054986-\$ or US- 4914568-\$ or US-6975914- \$ or US-6854111-\$ or US- 6067477-\$ or US-6754885- \$ or US-6618856-\$ or US- 7017116-\$ or US-6259458- \$ or US-6067093-\$ or US- 5606654-\$ or US-5432897- \$ or US-6144962-\$ or US- 5870559-\$ or US-5493678- \$ or US-6549221-\$ or US- 6684264-\$ or US-5812135- \$).did.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:39
S695	1	S694 drag with top	US-PGPUB; USPAT	AND	ON	2007/04/03 19:42
S696	25	("4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5481741"   "5630164"   "5812394"   "5966532"   "5991537"   "5309352"   "5801942"   "5828851"   "5838563"   "5970471"   "6053951"   "6061057"   "6064816"   "6098028"   "6173438"   "6219628"   "6785805"   "6083267"   "6167383"   "6339763").PN.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:48
S697	15	S696 (drop or drag)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S698	0	industrial (recursively with update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S699	0	industrial (recursively same update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54



S700	0	industrial (recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S701	30	(recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:58
S702	6	(update with (hierarchy or tree)) (industrial plant).ab.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:58
S703	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3) (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S704	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top of") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S705	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S706	64	(updat\$3) hierarchy (drag \$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:00
S707	0	((updat\$3) with hierarchy) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:00
S708	8	((updat\$3) with (hierarchy or tree or link)) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:01
S709	2839	(industrial adj plant).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 18:04
S710	247	(industrial adj plant).ab.	US-PGPUB; USPAT	AND	ON	2007/04/05 16:44
S711	526	(715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.)	US-PGPUB; USPAT	AND	ON	2007/04/05 18:18
S712	96	S711 industrial	US-PGPUB; USPAT	AND	ON	2007/04/05 16:50
S713	30	S712 Hierarchic\$4	US-PGPUB; USPAT	AND	ON	2007/04/05 18:04
S714	17	S713 (drag\$3 or drop\$3)	US-PGPUB; USPAT	AND	ON	2007/04/05 16:51
S715	36	S712 Hierarch\$6	US-PGPUB; USPAT	AND	ON	2007/04/05 17:39

S716	56	"715".clas. (parent with overlap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 17:49
S717	12	(automated adj machine adj controller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 18:04
S718	132	(automated with ( machine adj controller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 18:04
S719	2	(industrial adj plant) (automated with ( machine adj controller)) (hmi or mmi) Hierarchic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 18:12
S720	3	(industrial adj plant) iconic \$4 Hierarchic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 18:14
S721	12886	((human adj machine adj interface) or (HMI) or (man adj machine adj interface))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 18:17
S722	8903	((human adj machine adj interface) or (HMI) or (man adj machine adj interface))	US-PGPUB; USPAT	AND	ON	2007/04/05 18:18
S723	3845	S722 calcula\$4	US-PGPUB; USPAT	AND	ON	2007/04/05 18:19
S724	19	("5812135").URPN.	USPAT	AND	ON	2007/04/05 19:30

S725	24	(US-20030023518-\$ or US-20030028269-\$ or US-20030101021-\$ or US-20030191608-\$).did. or (US-6854111-\$ or US-5432897-\$ or US-7017116-\$ or US-6053951-\$ or US-6975914-\$ or US-5870559-\$ or US-6054986-\$ or US-6144962-\$ or US-6684264-\$ or US-6549221-\$ or US-5812135-\$ or US-4914568-\$ or US-5606654-\$ or US-5838563-\$ or US-6618856-\$ or US-6754885-\$ or US-6067093-\$ or US-5493678-\$ or US-6067477-\$ or US-6259458-\$).did.	US-PGPUB; USPAT	AND	ON	2007/04/05 19:40
S726	11	S725 industrial	US-PGPUB; USPAT	AND	ON	2007/04/05 19:40
S727	2	"US 20030036873"	US-PGPUB; USPAT; USOCR; DERWENT	AND	ON	2007/04/05 19:47
S728	1	"20030036873".pn.	DERWENT	AND	ON	2007/04/05 19:47
S729	1	2003-456454.NRAN.	DERWENT	AND	ON	2007/04/05 19:47
S730	3	( ONLINE CONFIGURATION MEASUREMENT SYSTEM). ti.	DERWENT	AND	ON	2007/04/05 19:49
S731	1	2003-466375.NRAN.	DERWENT	AND	ON	2007/04/05 19:50
S732	1	2003-466375.NRAN.	DERWENT	AND	ON	2007/04/05 19:50
S733	6	( ONLINE MEASUREMENT SYSTEM). ti.	US-PGPUB	AND	ON	2007/04/05 19:50
S734	10	("2003/0036871").URPN.	USPAT	AND	ON	2007/04/05 19:51
S735	45	("20020144282"   "20030036871"   "20030036874"   "20030036875"   "20030036876"   "20030058280"   "20030066065"   "20030163298"   "4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5481741"   "5630164"   "5752042"   "5812394"   "5845077"   "5966532"   "5970471"   "5974454"   "5991537"	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:12

		"6049789"   "6053951"   "6064816"   "6074434"   "6083267"   "6098028"   "6105063"   "6167383"   "6173438"   "6219628"   "6266774"   "6269456"   "6339763"   "6367077"   "6493871"   "6535911"   "6681351"   "6701513"   "6732296"   "6751794"   ("6785805").PN. OR ("6889172").URPN.				
S736	23	S735 (drop\$3 or drag\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:16
S737	11	S735 (drop\$3 or drag\$3) position	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:21
S738	35	"715".clas. (industrial with process)(drop\$3 or drag \$3) position parent	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:22
S739	9	"715".clas. (industrial with process)(drop\$3 or drag \$3) position parent ((virtual adj instrument) or (virtual adj panel))	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:25
S740	11	"715".clas. (industrial with process)(drop\$3 or drag \$3) position parent ((virtual adj instrument) or (virtual adj panel) or (screen adj node))	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:30
S741	27	("4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5309352"   "5481741"   "5630164"   "5801942"   "5812394"   "5828851"   "5838563"   "5966532"   "5970471"   "5991537"   "5861882"   "6053951"   "6061057"   "6064816"   "6083267"   "6098028"   "6167383"   "6173438"   "6219628"   "6339763"   "6078320"   "6985876").PN.	US-PGPUB; USPAT	AND	ON	2007/04/05 20:33
S742	26828	((Configur\$3 or edit\$3) (Process adj Control))	US-PGPUB; USPAT	AND	ON	2007/04/05 20:34
S743	10	((Configur\$3 or edit\$3) (Process adj Control)).ti.	US-PGPUB; USPAT	AND	ON	2007/04/05 20:39

S744	79	("3665172"   "4006464"   "4302820"   "4413314"   "4443861"   "4639852"   "4641269"   "4663704"   "4672530"   "4682158"   "4704676"   "5121318"   "5124908"   "5129087"   "5140677"   "5164894"   "5168441"   "5202961"   "5251125"   "5307346"   "5309556"   "5371895"   "5377315"   "5384910"   "5392389"   "5394522"   "5408603"   "5420977"   "5426732"   "5428734"   "5432711"   "5437007"   "5444851"   "5452201"   "5459825"   "5461710"   "5467264"   "5475856"   "5481741"   "5485620"   "5491791"   "5500934"   "5504672"   "5504902"   "5513095"   "5519605"   "5530643"   "5546301"   "5549137"   "5550980"   "5559691"   "5566320"   "5576946"   "5594858"   "5621871"   "Re33162"). PN. OR ("5940294").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:38
S745	2	S744 S743	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:39
S746	87	S744 or S743	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/05 20:39
S747	10	((Configur\$3 or edit\$3) ((Industrial adj plant))or (Process adj Control))).ti.	US-PGPUB; USPAT	AND	ON	2007/04/05 20:39
S748	87	S747 or S746	US-PGPUB; USPAT	AND	ON	2007/04/05 20:39
S749	25	S748 collection	US-PGPUB; USPAT	AND	ON	2007/04/05 20:41
S750	34	S748 node	US-PGPUB; USPAT	AND	ON	2007/04/05 20:41
S751	11	S748 node parent	US-PGPUB; USPAT	AND	ON	2007/04/05 21:06
S752	6	S751 drag\$3	US-PGPUB; USPAT	AND	ON	2007/04/05 21:13
S753	4	S752 overlap	US-PGPUB; USPAT	AND	ON	2007/04/05 21:13
S754	16	("20030232176"   "4290248"   "4721589"   "5007818"   "5149193"   "5362222"   "5812394"   "6156842").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 09:56

S755	3	("6904387").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 09:54
S756	2	"20040024657".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 09:59
S757	2	"6853920".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:00
S758	182337	Siemens.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:00
S759	97	Siemens.as. HMI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:00
S760	9	Siemens.as. HMI parent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:14
S761	866	((man or human) adj machine adj interface).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:15
S762	206	((man or human) adj machine adj interface).clm. industrial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:15
S763	91	((man or human) adj machine adj interface).clm. industrial graphical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:15
S764	31	((man or human) adj machine adj interface).clm. industrial graphical hierarchy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:16

S765	1	((man or human) adj machine adj interface).clm. industrial graphical hierarchy (equal\$4 adj spac \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:18
S766	15	((man or human) adj machine adj interface).clm. industrial graphical hierarchy parent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:46
S767	11	((man or human) adj machine adj interface) industrial graphical hierarchy parent hmi scada visualization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 14:47
S768	1101	(Rockwell Automation).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 10:51
S769	8	ihmi objects	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 11:07
S770	3	(intelligent adj hmi) objects	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/06 11:08
S771	74	((man or human) adj machine adj interface) industrial graphical hierarch \$5 parent hmi	US-PGPUB; USPAT	AND	ON	2007/04/06 11:36
S772	76	yufeng.inv.	US-PGPUB; USPAT	AND	ON	2007/04/06 11:36
S773	29	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 14:54
S774	824	715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:11
S775	175	715/853.ccls. vertical horizontal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:14

S776	2	(715/855.ccls. or 715/854.ccls. or 715/853.ccls.) vertical horizontal vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:09
S777	77	715/858.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:11
S778	695	715/854.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:14
S779	2	715/854.ccls. vertical horizontal vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:15
S780	0	715/854.ccls. (vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree)) vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:15
S781	0	(vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree)) vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:16
S782	510	(vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:20
S783	34	S782 "715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:20
S784	3	(vertical\$4 with (hierarchy or tree)) (horizontal\$4 with (hierarchy or tree)) VRML	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:24



S785	3	(vertical\$4 with (hierarchy or tree or (layout tree))) (horizontal\$4 with (hierarchy or tree or (layout tree))) VRML	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:25
S786	165	tree.ti. "715".das.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:28
S787	40	tree.ti. "715".das. horizontal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:28
S788	0	(vrml with hierarch\$5) HMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:32
S789	62	(vrml with hierarch\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:32
S790	0	(vrml with (hierarch\$5 OR tree)) HMI	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:33
S791	101	(vrml with (hierarch\$5 OR tree))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:35
S792	7004	(types! with tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:35
S793	434	(types! with tree) "715". das.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:37

S794	15	(types! with tree) "715". clas. vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:35
S795	18	vrml.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:36
S796	10305	(vertical\$4 horizont\$5) same (tree or hierarch\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:38
S797	20	((vertical\$4 horizont\$5) same (tree or hierarch\$6)) vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:49
S798	12	((vertical\$4 horizont\$5) vrml (spaced with equal \$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:50
S799	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 15:53
S800	53	("5446837"   "5632022"   "5634062"   "5634095"   "5644736"   "5644740"   "5701137"   "5745360"   "5748186").PN. OR ("5911145").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/09 15:54
S801	5883	345/419.ccls. 345/420.ccls. 345/421.ccls. 345/422.ccls. 345/423.ccls. 345/424.ccls. 345/425.ccls. 345/426.ccls. 345/427.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/09 15:55
S802	1	1998-130869.NRAN.	DERWENT	AND	ON	2007/04/09 16:45
S803	13	("5302103"   "5736080"   "5852722"   "6137408"   "6275741"   "6393807"   "6466154").PN. OR ("6684264").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/09 16:19

S804	442	arora.inv.	DERWENT	AND	ON	2007/04/09 16:45
S805	0	(arora samir).inv.	DERWENT	AND	ON	2007/04/09 16:45
S806	14	(arora samir).inv.	US-PGPUB; USPAT	AND	ON	2007/04/09 16:47
S807	70	horizontal vertical hierarchy arrangement VFML	US-PGPUB; USPAT	AND	ON	2007/04/09 16:48
S808	0	(horizontal adj (tree or layout or arrangement or configuration or hierarchy)) (vertical adj (tree or layout or arrangement or configuration or hierarchy)) VFML	US-PGPUB; USPAT	AND	ON	2007/04/09 16:54
S809	1805	(horizontal adj (tree or layout or arrangement or configuration or hierarchy)) (vertical adj (tree or layout or arrangement or configuration or hierarchy))	US-PGPUB; USPAT	AND	ON	2007/04/09 16:57
S810	3	S809 HMI	US-PGPUB; USPAT	AND	ON	2007/04/09 16:55
S811	36	S809 industrial plant	US-PGPUB; USPAT	AND	ON	2007/04/09 16:55
S812	2792	(horizontal same vertical same tree)	US-PGPUB; USPAT	AND	ON	2007/04/09 16:57
S813	183	(horizontal same vertical same tree) industrial	US-PGPUB; USPAT	AND	ON	2007/04/09 16:57
S814	70	(horizontal same vertical same tree) industrial rotate	US-PGPUB; USPAT	AND	ON	2007/04/09 16:58
S815	52	(horizontal same vertical same tree) industrial rotate aligned	US-PGPUB; USPAT	AND	ON	2007/04/09 16:58
S816	2	"5420977".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 17:12
S817	38	hmi same html	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 17:23

S818	0	hmi same vrml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 17:12
S819	2	"6615091".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 17:24
S820	74	(HMI with development )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 17:25
S821	34	S820 html	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 17:25
S822	2	"6282455".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/09 19:00

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